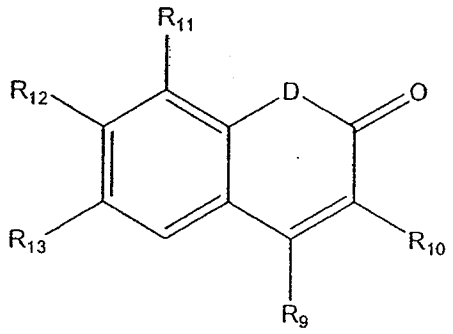
AMENDMENTS TO THE CLAIMS

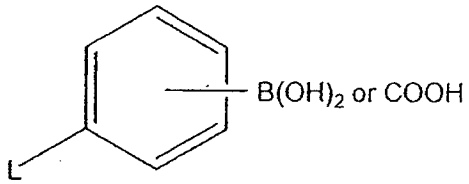
1.-11. **(Canceled)**

12. (**Currently Amended**) A method of measuring a compound or metabolite thereof, comprising contacting a reporter compound of the following formula:



(V)

wherein

- D is a heteroatom (e.g., O or N);
- R_9 is ~~H, OH, CH_3,~~ CF_3~~, M, or an amino or substituted amino group~~;
- R_{10} is H[[,]] <u>or</u> CH_3~~, or M~~;
- R_{11}~~, R_{12},~~ and R_{13} are individually H~~, OH, alkoxy, M, or an amino or substituted amino group~~;
- ~~R_{14}, when present, is H or CH_3;~~
- [[M]] <u>R_{12}</u> is 

, wherein L is an amino-containing linking moiety; and
- at least one boronic acid moiety is present; and salts thereof, which reporter compound is sensitive to the presence of said compound or metabolite thereof, with an area of the body where said metabolites may be found, and detecting a photometric change in said reporter compound indicative of said compound or metabolite thereof.

13. (**Previously Presented**) The method of claim 12, wherein said area of the body is skin.

14. (**Previously Presented**) The method of claim 12, wherein said area of the body is the layer of the skin known as *stratum corneum*.

15. (**Previously Presented**) The method of claim 12, wherein said area of the body is the layer of the skin known as epidermis.

16. (**Previously Presented**) The method of claim 12, wherein said area of the body is the layer of the skin known as dermis.

17. (**Previously Presented**) The method of 12, wherein said compound is glucose.

18. (**Canceled**)

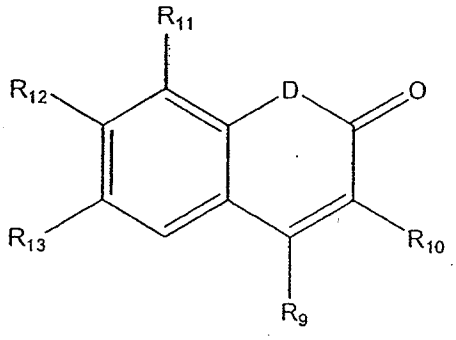
19. (**Canceled**)

20. (**Currently Amended**) A method of measuring a compound or metabolite thereof, comprising:

contacting a reporter compound or a salt thereof with a sample of a biological fluid containing an amount of the compound or metabolite thereof; and

detecting a photometric change in the reporter compound that is indicative of the compound or metabolite thereof;

wherein the reporter compound has a structure represented by the following formula:



(V)

wherein:

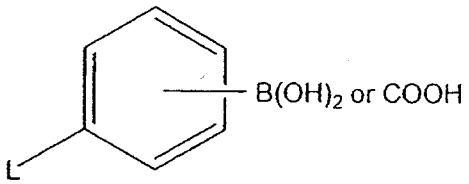
D is a heteroatom (e.g., O or N);

R_9 is ~~H, OH, CH_3,~~ CF_3~~, M, or an amino or substituted amino group~~;

R_{10} is H[[,]] or CH_3~~, or M~~;

R_{11}~~, R_{12},~~ and R_{13} are individually H~~, OH, alkoxy, M, or an amino or substituted amino group~~;

~~R_{14}, when present, is H or CH_3;~~

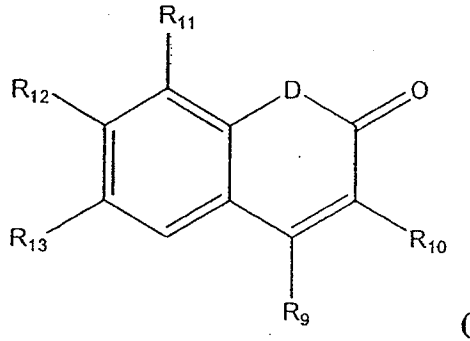
[[M]] R_{12} is 

, wherein L is an amino-containing linking moiety; and

at least one boronic acid moiety is present.

21. (**Previously Presented**) The method of Claim 20, wherein the compound or metabolite thereof is glucose.

22. (**Currently Amended**) A compound having a structure represented by the following formula:



(V)

wherein:

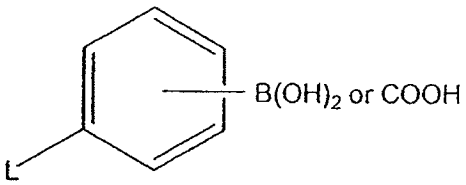
D is a heteroatom (e.g., O or N);

R_9 is ~~H, OH, CH_3,~~ CF_3~~, M, or an amino or substituted amino group~~;

R_{10} is H[[,]] or CH_3~~, or M~~;

R_{11}~~, R_{12},~~ and R_{13} are individually H~~, OH, alkoxy, M, or an amino or substituted amino group~~;

~~R_{14}, when present, is H or CH_3;~~

[[M]] $\underline{R_{12}}$ is 

, wherein L is an amino-containing linking moiety; and

at least one boronic acid moiety is present.

23. (**Previously Presented**) The compound of Claim 22, wherein the amino-containing linking moiety is selected from the group consisting of an unsubstituted amino group, a substituted amino group, an amido group, and a sulfamido group.

24. (**Previously Presented**) A reagent strip comprising the compound of Claim 22.